

Table 5-5: CH₄ and N₂O Emissions from Manure Management (Tg CO₂ Eq.)

Gas/Animal Type	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
CH₄	31.3	33.2	32.1	32.9	35.5	36.2	34.9	36.6	39.0	38.9	38.2	38.9
Dairy Cattle	11.4	12.3	12.0	11.9	13.1	13.4	12.8	13.4	13.9	14.7	14.6	15.1
Beef Cattle	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.3	3.3	3.3	3.3
Swine	13.1	14.2	13.4	14.3	15.5	16.0	15.3	16.4	18.4	17.6	17.1	17.1
Sheep	0.1	0.1	0.1	0.1	0.1	0.1	+	+	+	+	+	+
Goats	+	+	+	+	+	+	+	+	+	+	+	+
Poultry	2.7	2.7	2.6	2.7	2.7	2.6	2.6	2.7	2.7	2.6	2.6	2.7
Horses	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N₂O	16.2	16.7	16.5	16.9	16.9	16.6	17.0	17.3	17.3	17.4	17.9	18.0
Dairy Cattle	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	4.0	4.0	3.9
Beef Cattle	4.9	5.4	5.0	5.4	5.3	5.3	5.1	5.4	5.5	5.5	5.9	6.1
Swine	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4
Sheep	+	+	+	+	+	+	+	+	+	+	+	+
Goats	+	+	+	+	+	+	+	+	+	+	+	+
Poultry	6.3	6.5	6.6	6.7	6.8	6.5	7.2	7.2	7.2	7.2	7.4	7.3
Horses	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total	47.5	49.9	48.6	49.8	52.4	52.8	51.9	53.9	56.3	56.3	56.1	56.9

+ Does not exceed 0.05 Tg CO₂ Eq.

Note: Totals may not sum due to independent rounding.